

Product datasheet for **RC239631**

ADAM29 (NM_001278127) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM29 (NM_001278127) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM29
Synonyms:	CT73; svph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC239631 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGATGTTACTCCTGCTGCATTGCCTTGGGGTGTTCCTGTCCTGTTCTGGACACATCCAGGATGAGC
ACCCCAATATCACAGCCCTCCGGATGTGGTGATTCTGTGAGGATAACTGGCACCACCAGAGGCATGAC
ACCTCCAGGCTGGCTCTCCTATATCCTGCCCTTTGGAGGCCAGAAACACATTATCCACATAAAGGTCAAG
AAGCTTTTGTTCCTCAAACACCTCCCTGTGTTACCTACACAGACCAGGGTGCTATCCTTGAGGACCAGC
CATTTGTCCAGAATAACTGCTACTATCATGGTTATGTGGAAGGGGACCCAGAATCCCTGGTTTCCCTCAG
TACCTGTTTTGGGGTTTTCAAGGAATATTACAGATAAATGACTTTGCTTATGAAATCAAGCCCCTAGCA
TTTTCTACCACGTTTGAACATCTGGTATACAAGATGGACAGTGAGGAGAAACAATTTTCAACCATGAGAT
CCGGATTTATGCAAAATGAAATAACATGCCGAATGGAATTTGAAGAAATGATAATCCACTCAGAAGCA
AAGTTCTTATGTGGGCTGGTGGATCCATTTTAGGATTGTTGAAATGTAGTCGTCATTGATAATTATCTG
TACATTCGTTATGAAAGGAACGACTCAAAGTTGCTGGAGGATCTATATGTTATTGTTAATATAGTGGATT
CCATTTTGGATGTCATTGGTGTTAAGGTGTTATTTTGGTTTGGAGATCTGGACCAATAAAAAACCTCAT
TGTAAGTATGATGTAAGGAAATCTGTGCACCTGTATTGCAAGTGGAAAGTCGGAGAACATTACGCCCCGG
ATGCAACATGACACCTCACATCTTTTCACAACTCTAGGATTAAGAGGGTTAAGTGGCATAGGAGCTTTTA
GAGGAATGTGTACACCACACCGTAGTTGTGCAATTGTTACTTTTCAACAAAACCTTTGGGCACCTTTTTC
AATTGCAGTGGCTCATCTAGTGCATAATTTGGGCATGAACCATGATGAGGATACATGCTGTTGTTCA
CAACCTAGATGCATAATGCATGAAGGCAACCCACCAATAACTAAATTTAGCAATTGTAGTTATGGTGATT
TTTGGGAATATACTGTAGAGAGGACAAAGTGTTCCTTGAACAGTACACACAAAAGGACATCTTTAATGT
GAAGCGCTGTGGGAATGGTGTGTTGAAGAAGGAGAAGAGTGTGACTGTGGACCTTTAAAGCATTGTGCA
AAAGATCCCTGCTGTCTGTCAAATTCACCTCTGACTGATGGTTCTACTTGTGCTTTTGGGCTTTGTGCA
AAGACTGCAAGTTCCTACCATCAGGAAAAGTGTGTAGAAAGGAGGTCAATGAATGTGATCTCCAGAGTG
GTGCAATGGTACTTCCCATAAGTGCCAGATGACTTTTATGTGGAAGATGGAATTCCTGTAAGGAGAGG
GGCTACTGCTATGAAAAGAGCTGTGATGACCGCAATGAACAGTGTAGGAGGATTTTGGTGCAGGCGCAA
ATACTGCAAGTGAGACTTGCTACAAAGAATTGAACACCTTAGGTGACCGTGTGGTCACTGTGGTATCAA
AAATGCTACATATATAAAGTGAATATCTCAGATGTCCAGTGTGGAAGAATTCAGTGTGAGAATGTGACA
GAAATTCCTAATATGAGTGATCATACTACTGTGCATTGGGCTCGCTTCAATGACATAATGTGCTGGAGTA
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TCATATATGCATCCACAGGCACTGTGTCATATAACCATCTTGAATAGTAATTGCTCACCTGCATTTTGT
AACAAAGAGGGGCATCTGCAACAATAAACATCACTGCCATTGCAATTATCTGTGGGACCTCCCAACTGCC
TGATAAAAGGCTATGGAGGTAGTGTGACAGTGGCCACCCCTAAGAGAAAAGAAAAAGAAAGTTCTG
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AGTAAACCAATAAAAAAGCAGCAAGATGTTCAAACCTCCATCTGCAAAAAGAGGAAAAAATTCAGCGTC
GACCTCATGAGTTACCTCCCGAGTCAACCTTGGGTGATGCCTTCCCAGAGTCAACCTCCTGTGACGCC
TTCCCAGAGTCATCCTCAGGTGATGCCTTCCCAGAGTCAACCTCCTGTGACACCTCCCAGAGTCAACCT
CGGGTGATGCCTTCTCAGAGTCAACCTCCTGTGATGCCTTCCCAGAGTCATCCTCAGTTGACGCCTTCCC
AGAGTCAACCTCCTGTGACACCTCCCAGAGGCAACCTCAGTTGATGCCTTCCCAGAGTCAACCTCCTGT
GACGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239631 protein sequence
Red=Cloning site Green=Tags(s)

MKMLLLLHCLGVFLSCSGHIQDEHPQYHSPPDVVIPVRITGTTTRGMTPPGWL SYILPFGGQKHIIHIKVK
KLLFSKHLPVFTYTDQGAILEDQPFVQNNCYHGYVEGDPELVSLSLSTCFGGFQGILQINDFAYEIKPLA
FSTTFEHLVYKMDSEEKQFSTMRSQFMQNEITCRMEFEEIDNSTQKQSSYVGGWIIHFRIIVEIVVVIDNYL
YIRYERNDKLLLEDLYIVNIIVDSILDVIGVKVLLFGLIWTNKNLIVDDVVRKSVHLYCKWKSENITPR
MQHDTSHLFTTLGLRGLSGIGAFRGMCTPHRSCAIVTFMNKTLGTFIAVAHHLGHNLMNHDEDCRCS
QPRCIMHEGNPPIITKFSNCSYGFWEYTVERTKCLETVHTKDI FNVKRCNGVVEEGEECDGPKLHCA
KDPCCLSNCTLDGSTCAFGLCKDCKFLPSGKVCRAKEVNECDLPEWCNGTSHKCPDDFYVEDGIPCKER
GYCYEKSCHDRNEQCRRIFGAGANTASECYKELNLTGDRVGHCGIKNATYIKCNI SDVQCGRIQCENVT
EIPNMSDHTTVHWARFNDIMCWSTDYHLGMKGPDIGEVKDGTECGIDHICIHRCVHITILNSNCSPAFC
NKRKICNNKHHCHCNLWDPNCLIKGYGGSVDSGPPPKRKKKKKFCYLCILLIIVLFILLCCLYRLCKK
SKPIKQDQVQTPSAKEEIKIQRPHLPPQSQPWVMPQSQPPVTPSQSHPQVMPQSQPPVTPSQSQP
RVMPQSQPPVMPQSHPQLTPSQSPPVTPSQRQPQLMPSQSQPPVTPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8006_c10.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001278127

ORF Size: 2460 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001278127.1](#), [NP_001265056.1](#)

RefSeq Size: 2949 bp

RefSeq ORF: 2463 bp

Locus ID: 11086

UniProt ID: [Q9UKF5](#)

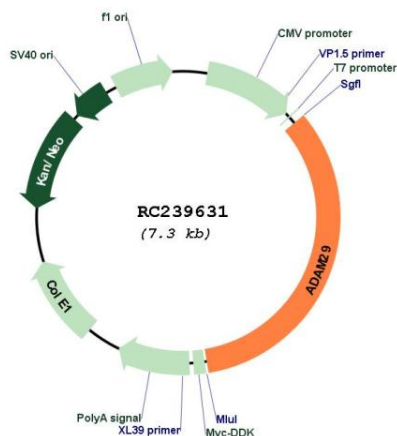
Cytogenetics: 4q34.1

Protein Families: Druggable Genome, Transmembrane

MW: 92.8 kDa

Gene Summary: This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene is highly expressed in testis and may be involved in human spermatogenesis. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC239631